

Abstract

## Device and method for frequency synthesis

A method and a device are proposed for frequency synthesis by means of oscillator means, particularly a digitally controlled oscillator, which are capable of generating output frequencies out of a set of possible output frequencies. For the purpose of generating a desired frequency that is not included in the set of possible output frequencies, the oscillator means (1) are driven by a control device (2) in such a way that said oscillator means alternately generate at least two different output frequencies, out of the set of possible output frequencies, in such a way that the average value of the generated output frequencies over a time period is substantially the desired frequency.

(Fig. 2)